



ICT is part of climate change! Can we reduce its impact and apply good practices and tools to other society domains ?

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► To cite this version:

Francoise Berthoud, Laurent Lefèvre, Cédric Gossart. ICT is part of climate change! Can we reduce its impact and apply good practices and tools to other society domains ?. "Our Common Future Under Climate Change" International Conference, Jul 2015, Paris, France. 2015. hal-01250030

HAL Id: hal-01250030

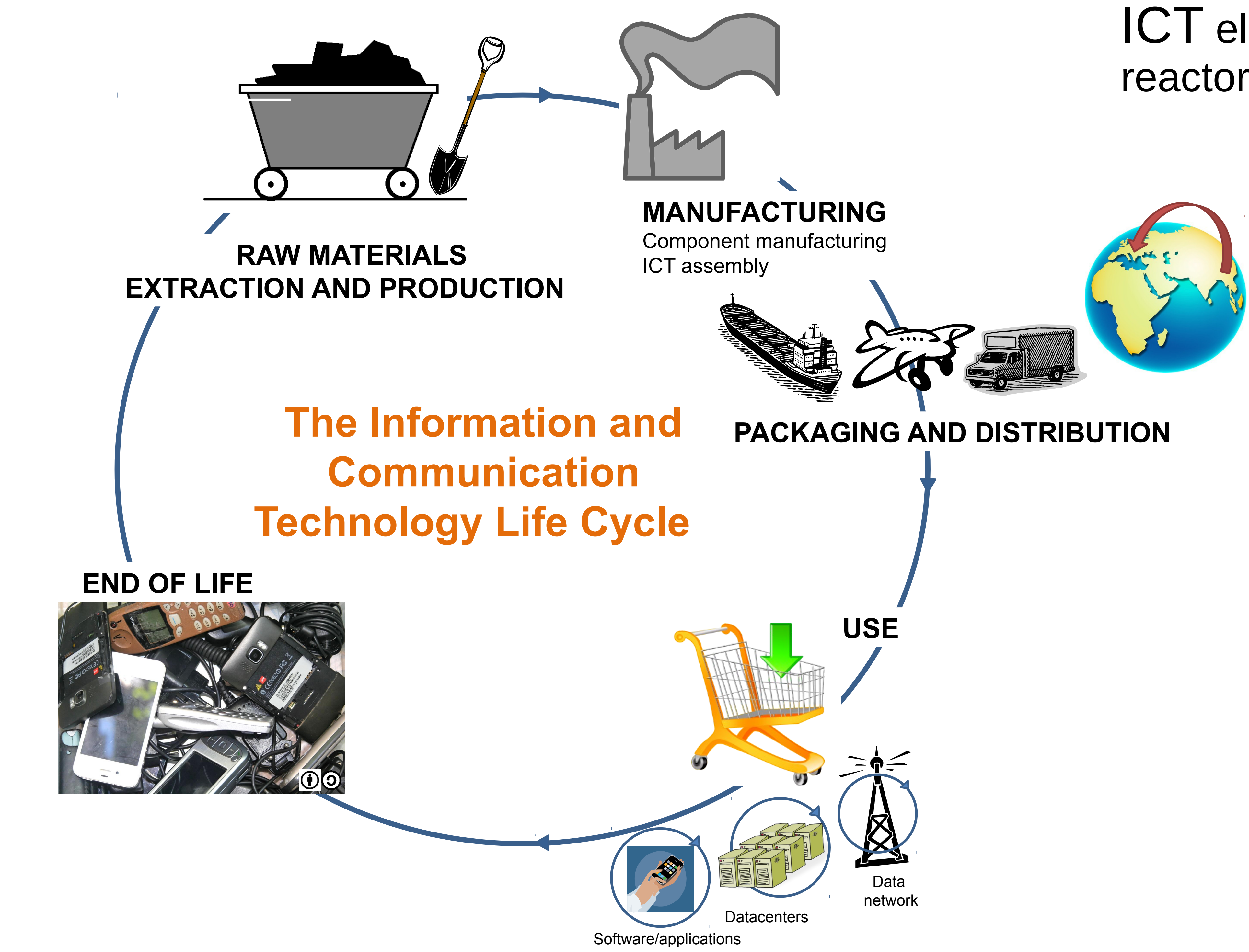
<https://inria.hal.science/hal-01250030>

Submitted on 4 Jan 2016

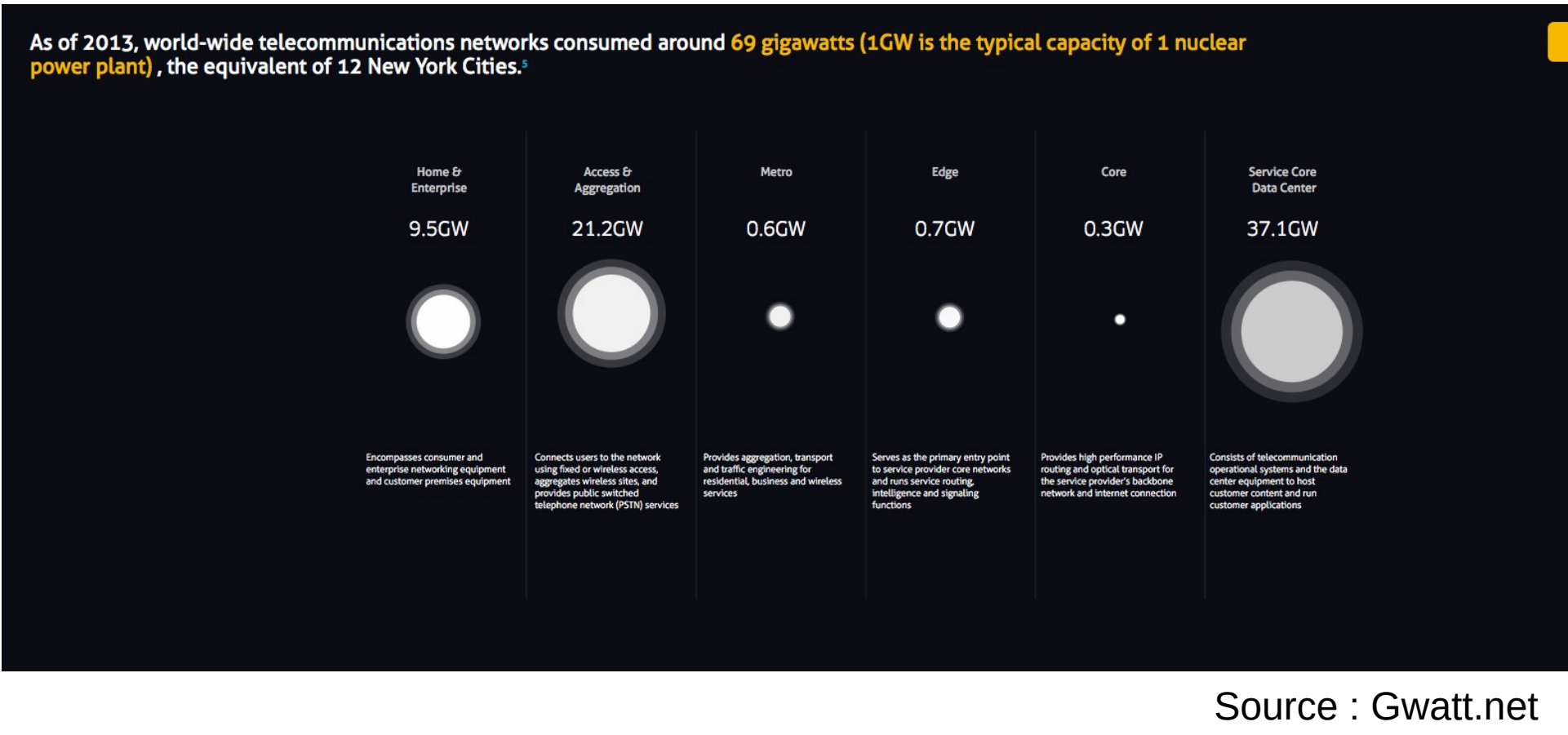
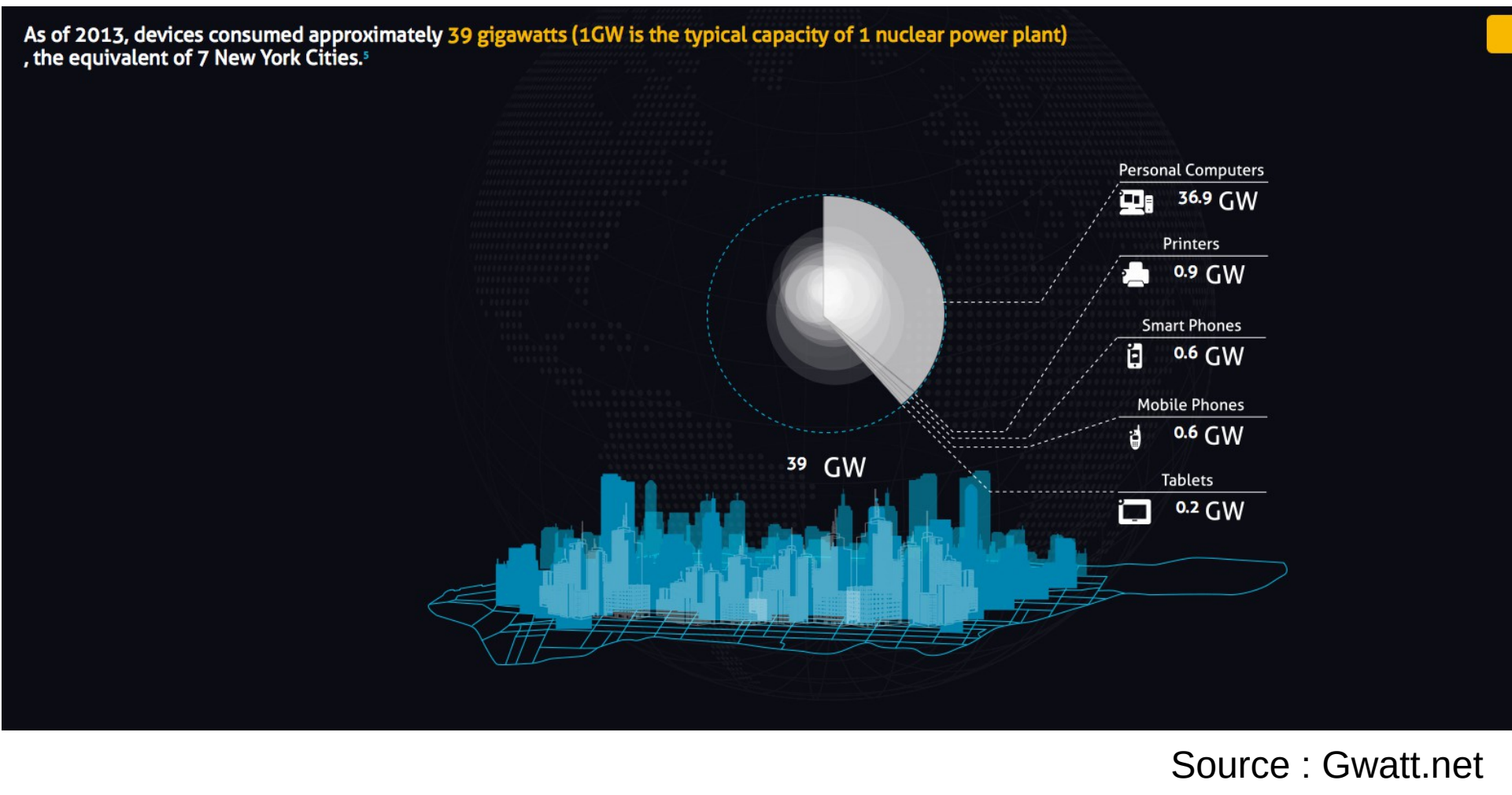
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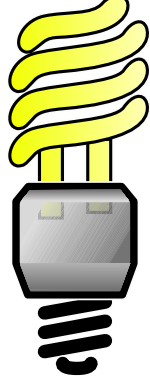
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ICT electrical consumption > 100 nuclear reactors – 10 % of world electricity production



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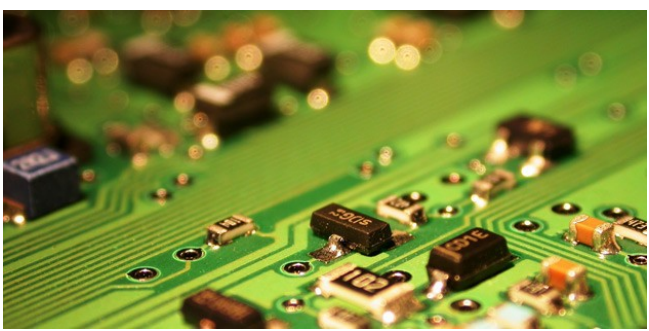
Open challenges

Not always !

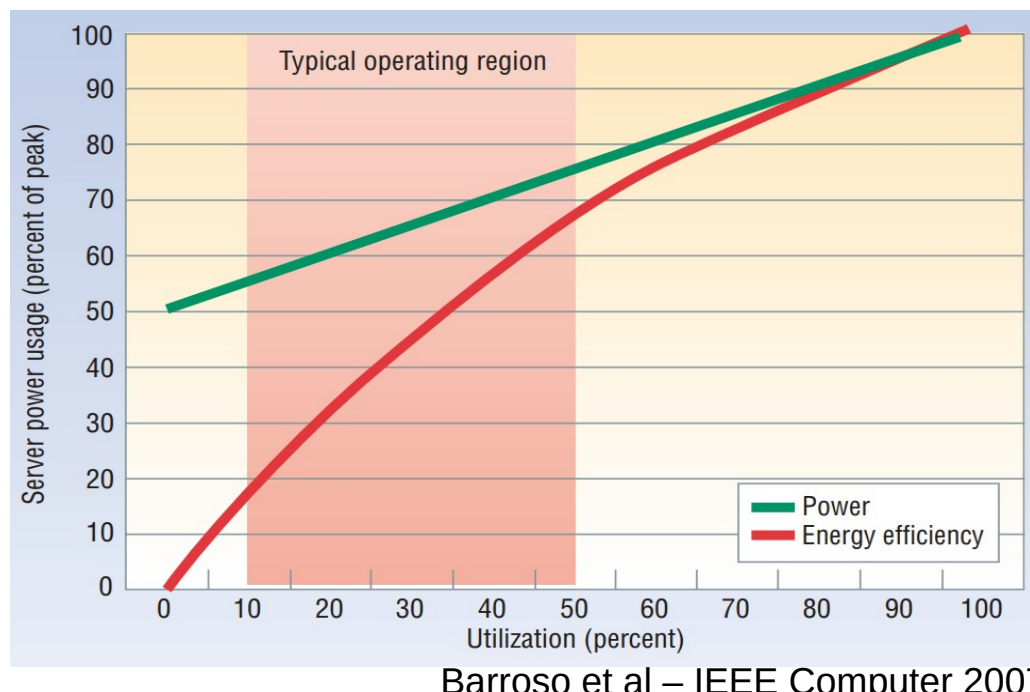
Good practices

- Modularity
- On/Off
- Repair


Eco Design




Energy
Proportionality,
Energy Efficiency,
Power Savings,
Green Codes




Barroso et al – IEEE Computer 2007



Reusing - Recycling



Electrical (Smart) Grid, Transport Optimization, E-Gov, e-Health, Smart City



**Rebound Effect
Planned Obsolescence**

